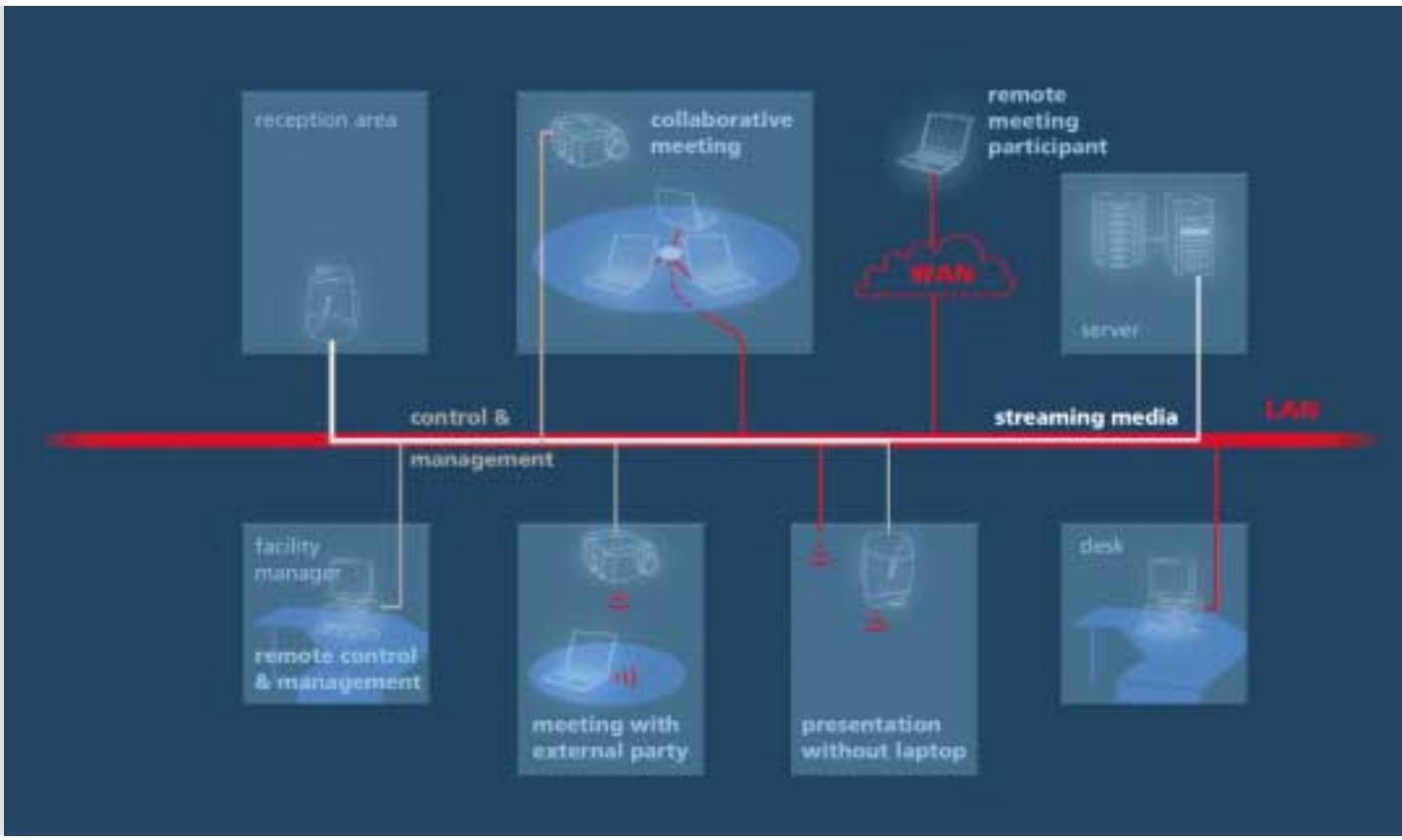
iQ™ Pro Series



A revolutionary class of networked projectors

iQ™(Pro) Series,
Winner of 5 Technology Awards:

"Pick Hit of NAB"
Video Systems Magazine, US

"Most Creative New Product at InfoComm"
KNews InfoComm Show Awards, US

"SatisFecit Award"
SATIS Expo, France

"Vanguard Award"
Video Systems Magazine, US

"Standing Ovation Award"
Presentations Magazine, US

BARCO

Visibly yours

Barco iQ™ Pro Series

The iQ Pro projector will change the way we currently meet, share ideas and make decisions. This revolutionary networked projector allows you to give truly wireless presentations. There is no need to bring your laptop to the meeting; you can send any file (in any format) over the network to the projector. The projector's integrated server gives you the ability to save frequently used presentations and corporate movies on the projector's hard disk. As all content can be retrieved over LAN, the user no longer needs dedicated PC's, DVD's or AV cabling in meeting rooms, resulting in a cost saving on peripherals and cabling.

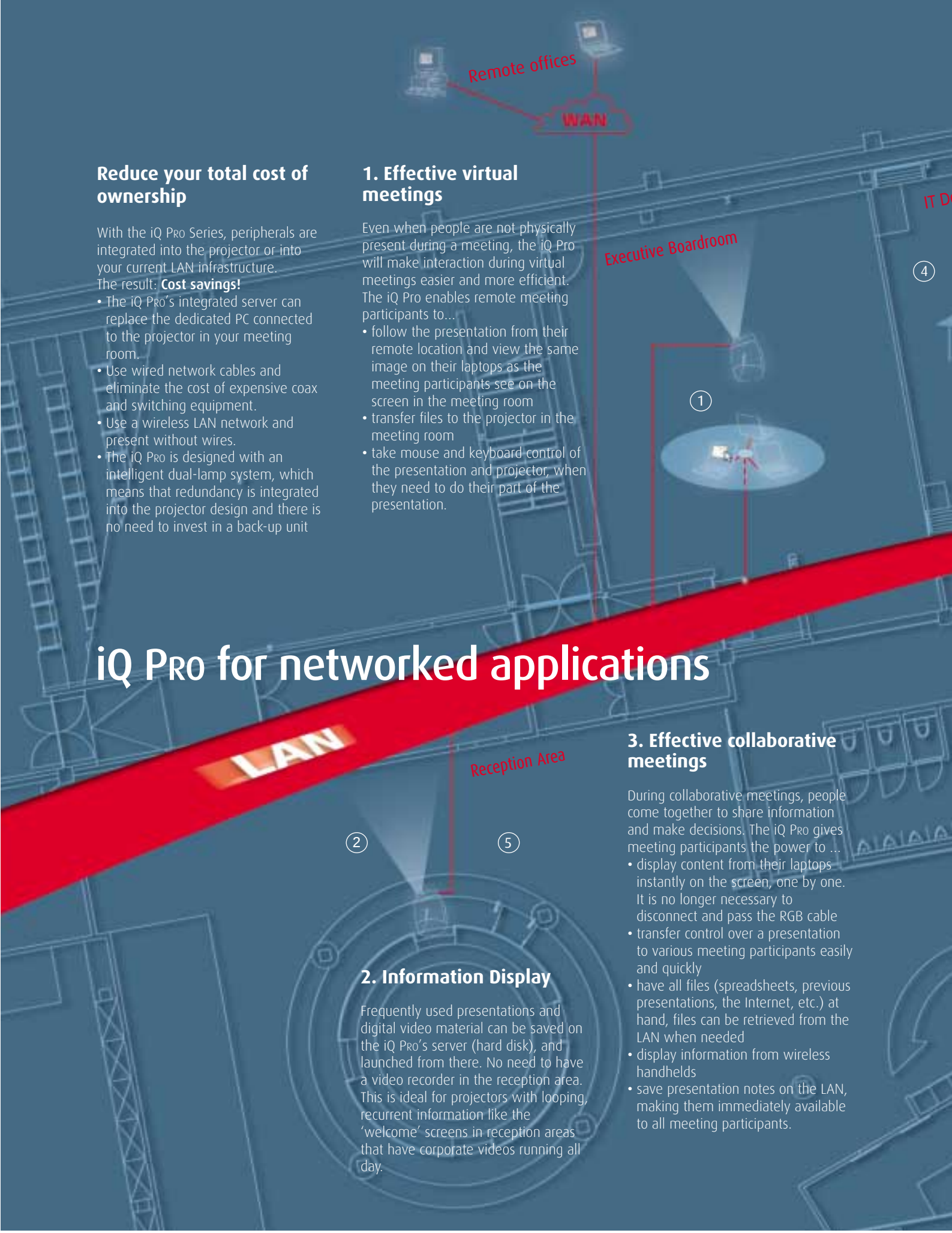
The AV Facility Manager can remotely control and manage a fleet of projectors from one location. If a presenter needs help setting up a projector, it is no longer necessary to run to the meeting room to give assistance. The AV Facility Manager can assist the presenter without leaving his office. These adjustments can be done instantly (over the network) right from their desk, allowing uninterrupted meetings, so meeting attendants do not waste valuable meeting time. Central Control and Management allow companies to save money on support services.

The innovative iQ Pro projector allows you to show up to 3 source windows simultaneously. For example, a corporate video and the agenda can be shown next to your normal presentation. The iQ Pro's innovative dual-lamp design provides the added confidence you need to give compelling and powerful presentations in any meeting room, from an executive boardroom to a mid-sized auditorium. **Smart people make smart presentations with iQ.**

Improve your Return on Investment

- Up to 5,000 ANSI lumens
- Powerful computer server integrated
- Access presentations over LAN, straight from the projector
- Wireless LAN, streaming video and Bluetooth ready
- Remote control & diagnostics of a fleet of projectors
- Advanced picture-in-picture (2 data and 1 video)
- Seamless source switching
- Intelligent dual-lamp design

iQ Pro for networked applications



Reduce your total cost of ownership

With the iQ Pro Series, peripherals are integrated into the projector or into your current LAN infrastructure.
The result: **Cost savings!**

- The iQ Pro's integrated server can replace the dedicated PC connected to the projector in your meeting room.
- Use wired network cables and eliminate the cost of expensive coax and switching equipment.
- Use a wireless LAN network and present without wires.
- The iQ Pro is designed with an intelligent dual-lamp system, which means that redundancy is integrated into the projector design and there is no need to invest in a back-up unit

1. Effective virtual meetings

Even when people are not physically present during a meeting, the iQ Pro will make interaction during virtual meetings easier and more efficient. The iQ Pro enables remote meeting participants to...

- follow the presentation from their remote location and view the same image on their laptops as the meeting participants see on the screen in the meeting room
- transfer files to the projector in the meeting room
- take mouse and keyboard control of the presentation and projector, when they need to do their part of the presentation.

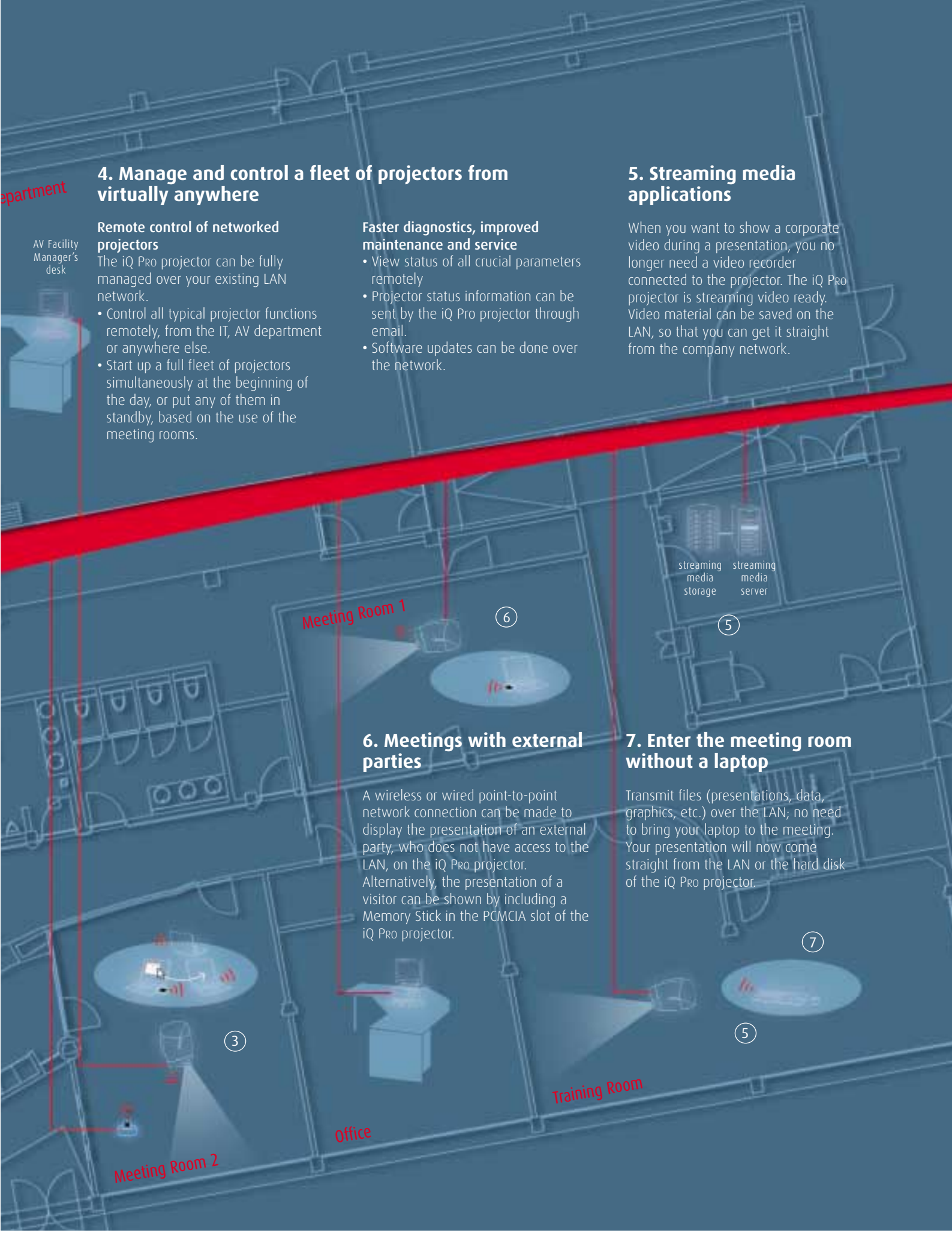
2. Information Display

Frequently used presentations and digital video material can be saved on the iQ Pro's server (hard disk), and launched from there. No need to have a video recorder in the reception area. This is ideal for projectors with looping, recurrent information like the 'welcome' screens in reception areas that have corporate videos running all day.

3. Effective collaborative meetings

During collaborative meetings, people come together to share information and make decisions. The iQ Pro gives meeting participants the power to ...

- display content from their laptops instantly on the screen, one by one. It is no longer necessary to disconnect and pass the RGB cable
- transfer control over a presentation to various meeting participants easily and quickly
- have all files (spreadsheets, previous presentations, the Internet, etc.) at hand, files can be retrieved from the LAN when needed
- display information from wireless handhelds
- save presentation notes on the LAN, making them immediately available to all meeting participants.



4. Manage and control a fleet of projectors from virtually anywhere

Remote control of networked projectors

The iQ Pro projector can be fully managed over your existing LAN network.

- Control all typical projector functions remotely, from the IT, AV department or anywhere else.
- Start up a full fleet of projectors simultaneously at the beginning of the day, or put any of them in standby, based on the use of the meeting rooms.

Faster diagnostics, improved maintenance and service

- View status of all crucial parameters remotely
- Projector status information can be sent by the iQ Pro projector through email.
- Software updates can be done over the network.

5. Streaming media applications

When you want to show a corporate video during a presentation, you no longer need a video recorder connected to the projector. The iQ Pro projector is streaming video ready. Video material can be saved on the LAN, so that you can get it straight from the company network.

6. Meetings with external parties

A wireless or wired point-to-point network connection can be made to display the presentation of an external party, who does not have access to the LAN, on the iQ Pro projector. Alternatively, the presentation of a visitor can be shown by including a Memory Stick in the PCMCIA slot of the iQ Pro projector.

7. Enter the meeting room without a laptop

Transmit files (presentations, data, graphics, etc.) over the LAN; no need to bring your laptop to the meeting. Your presentation will now come straight from the LAN or the hard disk of the iQ Pro projector.

DropZone

Presenter's software

Two powerful software packages come with the iQ Pro projector. One software package is designed to make it easy for presenters to control the projector from their laptop. The other one gives the AV Facility Manager the ability to remotely control and diagnose a fleet of projectors.

The DropZone software has been designed with the presenter in mind. It allows you to easily drag & drop any file from your laptop, straight on to the projector, over the LAN.

You can browse trough the files of your laptop and on the corporate network, look for the presentation or file you want to display, and launch it straight on the projector.

This button allows you to see the image generated by the iQ Server on your laptop. You can follow the presentation and have keyboard and mouse control over the projector via your laptop.

Select files from the hard disk inside the projector and launch them immediately.

Choose the name of projector you will use during your presentation. If you do not know the name of the projector, you can still send your files to the right projector just by selecting the room in which you will be doing your presentation.

You can choose between two Drop Modes:

- **Launch:**
During a meeting, select a file from the network and show it immediately on the screen.
- **Store:**
This button allows you to save the presentation on the projector in the meeting room where you will give your presentation; there's no need to take along your laptop to the meeting. DropZone also allows you to store your files per user in order to achieve and maintain an effective security level.

Easy system integration

Thanks to the powerful processing power of the iQ Pro projector, the server within the projector becomes an ideal platform for installing the software you need for your specific applications. The iQ Pro networked projector can be fully integrated into your company's infrastructure.

Remote control & diagnostics

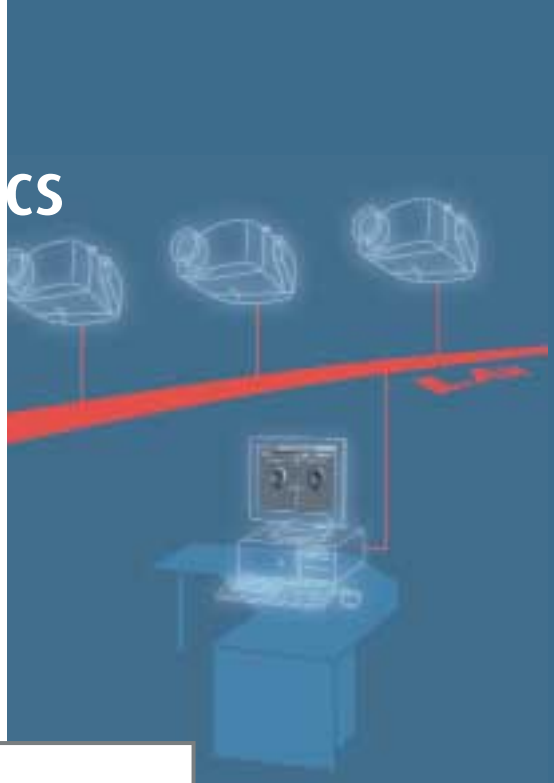
AV Facility Manager's software

This Barco software package enables the AV Facility Manager to control and diagnose a fleet of projectors remotely. This results in an improved support from Help Desk. In addition, they can manage the projector remotely and react immediately to the needs of the presenters, from their desk. No need to run to a meeting room to adjust projector settings, this can all be done remotely and instantly, over the network.

The **Simple Network Management Protocol** allows you to operate and to administrate the projector from an SNMP client.

The **Exchange Integration Client** lets you schedule your projector from Outlook.

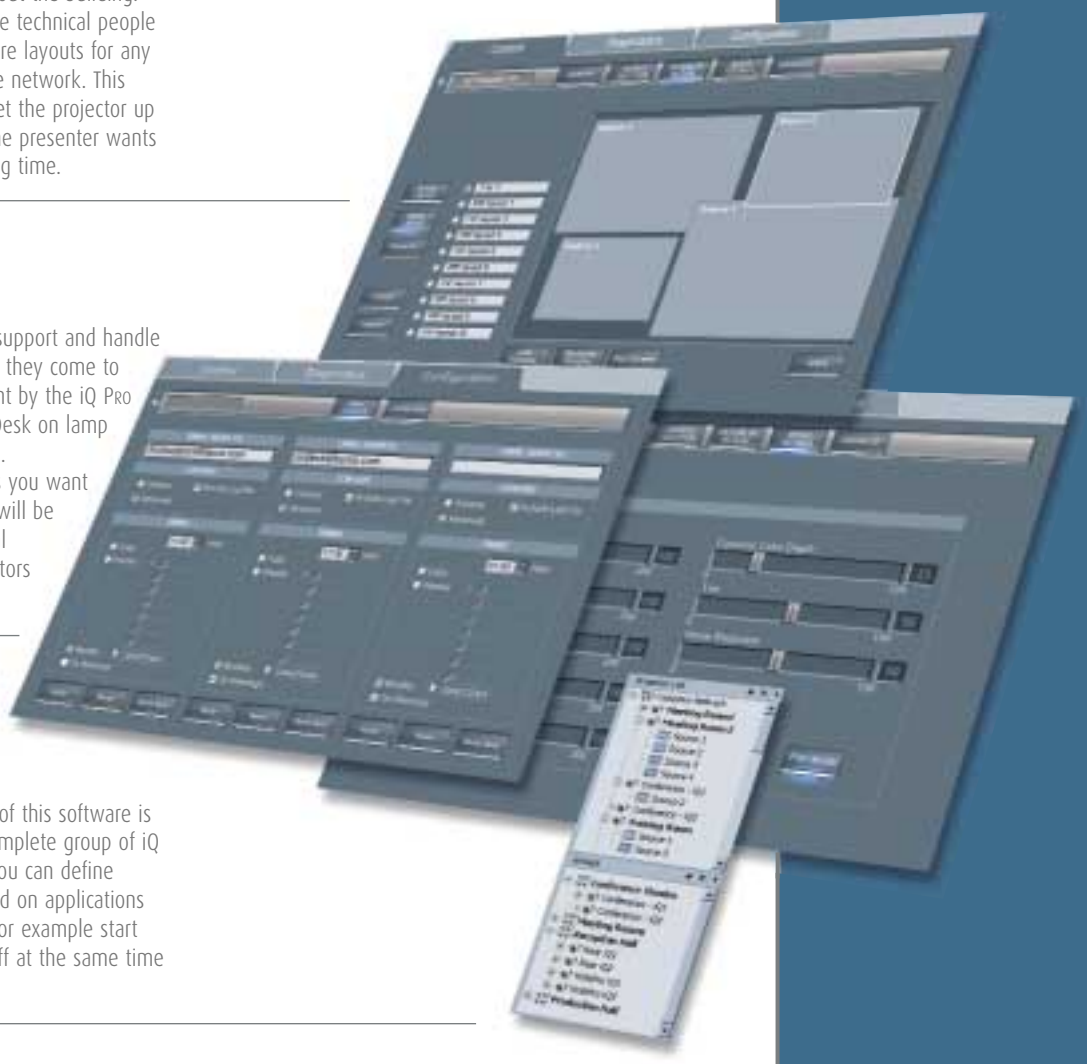
A **webclient** allows controlling the projector and retrieving diagnostic information through a regular webbrowser. **ActiveX** compatibility furthermore allows integration of these functions in your own application.



From his desk, the AV Facility Manager can define the content and layout of the projected images throughout the building. This screen shows how the technical people can create picture-in-picture layouts for any projector connected to the network. This way, the Help Desk can set the projector up in advance, exactly like the presenter wants it, saving valuable meeting time.

To improve maintenance support and handle potential problems before they come to surface, emails can be sent by the iQ Pro projector to inform Help Desk on lamp life, system operation, etc.
Just select the parameters you want for email alerts, and you will be able to monitor the critical parameters of your projectors more easily.

Another unique function of this software is its ability to manage a complete group of iQ Pro projectors remotely. You can define groups of projectors, based on applications or location, and you can for example start them up and turn them off at the same time every day.



The right projector can help you deliver a m

Show multiple sources simultaneously

The iQ Pro projector allows you to simultaneously display **two data and one video image** from different sources, helping you to get your message across in a more powerful way. Add effective images alongside your presentation, like your ad campaign, live news broadcasts, a DVD source or even a product drawing. Do it all on one screen, using one projector.

Easily compare data from different sources
Efficient decision making often means exchanging and retrieving information in a fast and efficient way. Previously, when exchanging data during meetings, laptops needed to be connected and disconnected, and information was shown on the screen in a sequential way. Now, the iQ Pro enables you to show 2 data sources simultaneously, so data can be compared side by side.

Position and size your source windows on the screen
As you add sources with your remote control, you can resize and move the source windows on the screen to create the perfect layout for your meeting. For example, you can create a small video window running on top of your presentation. Save and load your preferred settings and screen arrangement, allowing you to recall it instantly.

Use transition effects when switching from e.g. data to video sources

Enhance the flow and momentum of your presentations

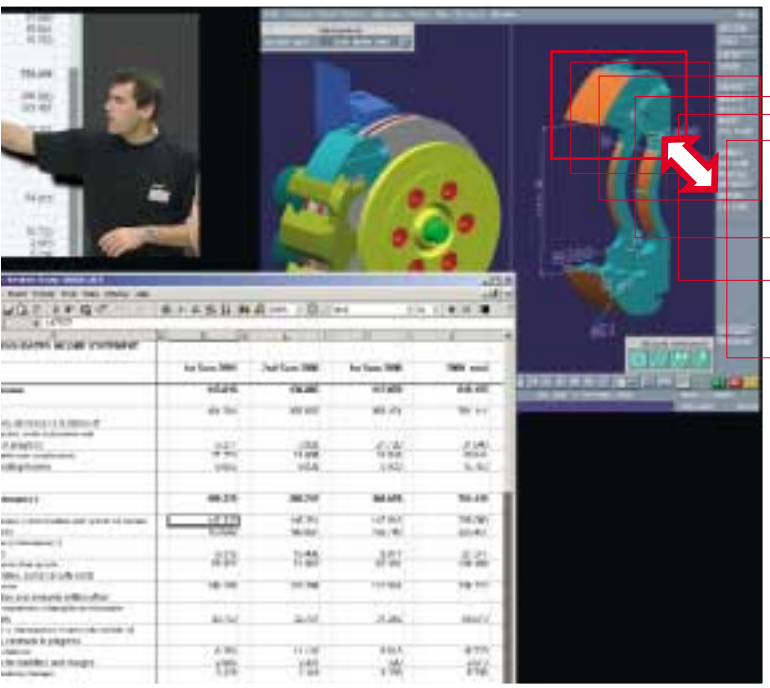
Switch sources instantly or use professional transition effects
Switch sources on-the-fly without distracting on-screen warning messages or irritating intervals. Go from a video to a data image in a snap, or use special effects like fade-in/out or vertical curtain to change sources. Now that's professional!

Instantly show your logo on the screen during intermissions
You can pre-program your company logo or some other appropriate image to automatically appear on the screen when there's no active source. This image can also be shown during intermissions or long discussions, with one single click on the remote control.

Hold back the projector's light from the screen as needed
The light shutter button on the remote control, enables you to hold back the light of the projector. This way you can keep your first slide hidden from the audience. Open the lens shutter when you're ready to start your presentation.

up to **5,000** ANSI lumens

ore powerful message



Easily scroll for details
The iQ Pro projector allows you to **digitally zoom** inside a window and scroll for the details you want to emphasize. This way it is easy for you to zoom in on the details of a technical drawing or other data. All actions take place without freezing the image, thanks to iQ Pro's real-time image processing capability.

Thanks to the user-friendly features of the iQ Pro, you can focus on your presentation...not the projector

AutoImage

The iQ Pro projector automatically identifies the input source signal mode and optimizes all display settings accordingly. This allows an optimal image quality, with no manual adjustment necessary. You concentrate on your presentation without the distraction of having to constantly fiddle with adjustments.

A simple remote control gets the job done
With the newly designed remote control, setting up the projector is as simple as "plug & play". You have easy access to simplified vital functions like source selection, picture-in-picture, and switching between sources. Three Quick Access buttons are available for customized programming to fit your individual needs.

Familiar menu structure

BARCO's newly designed **intuitive user interface** guides you easily through all features. You control the projector just like your PC.

iQ Pro desktop integration

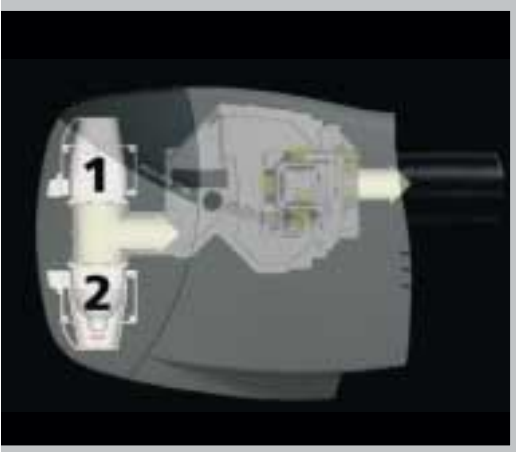
The iQ Pro R350, R500 and R210 even allow you to manage source windows from within the iQ Pro's Window™ XP OS environment. The iQ Pro's desktop remains visible as a full screen backdrop, with freely positionable windows on top, showing other video and data sources. Layouts and sources can be chosen through the familiar Windows™ pop-up menus.

You need a reliable projector, with an excel

Innovative dual-lamp system to maximize light efficiency and reliability

All iQ Pro Series projectors come with an advanced dual-lamp system, providing guaranteed uninterrupted presentations.
In **dual-lamp mode**, the iQ Pro 350 projectors deliver up to 3,500 ANSI lumens and a 3000-hour lifetime of the lamp system. If one lamp fails for any reason, the other lamp will keep on running, proving you a reliable projector solution.

For applications where less light output is required, switch to **single-lamp mode** and **double the lifetime of the lamp system**. If one lamp fails, the innovative auto-sensing feature instantly switches to the other lamp, you can continue your presentation without going into standby mode. Furthermore, the iQ Pro projector lamps alternate intelligently, in order to reach end-of-life simultaneously. This way you can replace both lamps at the same moment, saving maintenance time.



*Lamps take only seconds to replace with our **innovative click & plug in** concept. No special tools are required.*

Excellent image quality

The iQ Pro Series combines high-quality 1.4" poly-silicon LCD technology and BARCO's renowned image processing expertise. The result is an unsurpassed color reproduction and truly impressive images. With Barco's precision optical elements, you can achieve a **high-contrast level of more than 800:1.**

Barco's patented True Color Reproduction (TCR^{Plus}) software enhances the quality of conventional video sources. The result is **vibrant images with remarkable color depth, sharpness and clarity.**

True Color Reproduction

lent image, that's easy to install

Maximum installation flexibility

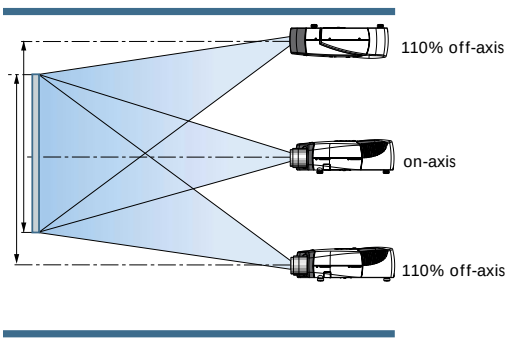
Digital keystone correction
The trapezoidal keystone distortion of the image is electronically corrected when it is projected upward or downward onto the screen.

A wide range of high-definition lenses gives you the flexibility to optimize performance for any setting. Short-throw lenses for rear projection and long-throw lenses for front projection are available. Replacing a lens is a very easy, thanks to the click-and-play design.

End the cable mess
A state-of–the-art meeting area doesn't have to look like an electricians worst nightmare.
The iQ Pro's cabinet comes with an eye catching magnesium cover and a cable basket at the projector front, concealing all of the input cables and creating a clean line and contemporary design.

Choose from a vast array of accessories
The iQ Pro's **ceiling mount** system makes fixed installations and maintenance easy. The platform is horizontally and vertically adjustable.
For easy transportation, a **flight case** is available.

Extreme lens shift capability
Centering the picture on the screen in fixed ceiling applications is a snap. The motorized zoom lenses can vertically shift 110% up and 30% down.



Connect virtually anything

The iQ Pro array of input connections is enough to impress the most sophisticated electronics user, including analog data to digital video and from the latest HDTV sources for all of today's popular RGB computer formats. All connections are located for easy access in the cable basket on the projector's front panel.

Powerful computer server integrated

The iQ Pro features a **server platform** with upgradeable Pentium III socket
- 1.2 GHz processor
- 256 MB RAM
- 40 GB Hard Disk storage
- Video memory up to 64 MB
- Microsoft™ XP Multi-language OS
- Barco server software for network communication between iQ Pro server and clients

PCMCIA slot to insert PC Cards for e.g. Wireless LAN, Bluetooth, ISDN connections and Memory Sticks.

4 USB connections to connect a wide range of peripherals and consumer electronics products like digital cameras, camcorders, etc.

RJ 45 to connect to the Local Area Network (LAN)

2 Audio inputs (microphone and line in)

Audio output (line out)

The iQ Series offers **unique video application possibilities**. Connect up to seven composite video sources or up to three S-Video sources. An intelligent video switcher is included to provide easy management of the various connections. There is no need to go to the expense of external switchers.

DVI (Digital Visual Interface) is the new open industry specification for digital connectivity. The computer signal remains digital from source to screen, avoiding degradation or interference.

RS232 for software uploads and for communication with third party control panels or PCs.

Barco iQ Pro LongLife projector, designed for intensive-use applications

The iQ Pro LongLife projector offers the same functionality as the iQ Pro projector, and is designed for intensive-use applications. Special precision components and filters have been added to the projector design to guarantee a longer lifetime of all critical projector components. This way, the time and expense for servicing and maintenance are reduced, which is very important in intensive-use applications.

Special long-life lamps are included with this projector. The iQ Pro LongLife projector includes two 120W lamps, with a lifetime of 6000 hours per lamp. This means that in dual lamp mode, the iQ Pro LongLife projector can run a much longer time, i.e. 6000 hours, and will deliver a light output level of up to 2000 ANSI lumens. On the other hand, if you only need up to 1000 ANSI lumens brightness, you can use the projector in single lamp mode and the lamps will run sequentially during a total of 12000 hours.

The iQ Pro LongLife projector is the ideal solution for applications where the projector runs most of the day, like...

- reception areas that display welcome messages or a corporate video most of the day
- meeting rooms where several presentations are given daily

The LongLife version of the iQ Pro Series is available in XGA (iQ Pro G210L) and S-XGA+ (iQ Pro R210L) resolution.

iQ Pro series comparison chart

iQ	Pro G350	Pro R350	Pro G500	Pro R500	Pro G210L Long Life version	Pro R210L Long Life version
Light output (ANSI)	3500 lumens	3500 lumens	5000 lumens	5000 lumens	2000 lumens	2000 lumens
Native resolution (pixels)	1024 x 768	1400 x 1050	1024 x 768	1400 x 1050	1024 x 768	1400 x 1050
Input compatibility (up to)	1600 x 1200	1600 x 1200	1600 x 1200	1600 x 1200	1600 x 1200	1600 x 1200
Contrast ratio(1)	> 800 : 1	> 800 : 1	> 800 : 1	> 800 : 1	> 800 : 1	> 800 : 1
Brightness uniformity	> 95%	> 95%	> 95%	> 95%	> 95%	> 95%
Lamp power	2 x 200 W	2 x 200 W	2 x 250 W	2 x 250 W	2 x 120 W	2 x 120 W
Lamp lifetime (typical)	3000 Hrs	3000 Hrs	1500 Hrs	1500 Hrs	6000 Hrs	6000 Hrs
Lamp set lifetime (max)(2)	6000 Hrs	6000 Hrs	3000 Hrs	3000 Hrs	12000 Hrs	12000 Hrs
Noise level	< 37dBA	< 37dBA	< 38dBA	< 38dBA	< 37dBA	< 37dBA
Vertical lens shift	-30% +110%	-30% +110%	-30% +110%	-30% +110%	-30% +110%	-30% +110%
AutoImage	Standard	Standard	Standard	Standard	Standard	Standard
Light shutter	Standard	Standard	Standard	Standard	Standard	Standard
Cable basket	Standard	Standard	Standard	Standard	Standard	Standard
Advanced picture-in-picture	Standard	Standard	Standard	Standard	Standard	Standard
Seamless switching	Standard	Standard	Standard	Standard	Standard	Standard
Transition effects	Standard	Standard	Standard	Standard	Standard	Standard
Digital zoom	Standard	Standard	Standard	Standard	Standard	Standard
Desktop integration	N/A	Standard	N/A	Standard	N/A	Standard
Inputs	Configurable 5 BNC for Composite Video, S-Video, Component Video, RGBHV, RGBS, RGsB BNC for Composite Video • S-Video on 4-pin mini-DIN • VGA input on D15 connector DVI (Digital Visual Interface) • Audio: 1x stereo mic in, 1x stereo line in, 1x stereo line out					
Communication	D9 connector for RS 232 In/Out • 4 x USB • RJ 45 for 10/100-BaseT Ethernet LAN connection PCMCIA slot (Type II) for PC Cards (e.g. Wireless LAN, Bluetooth, ISDN, Memory Sticks)					
Server platform	Upgradeable Pentium III socket • 1.2 GHz processor • 256 MB RAM • 40 GB Hard Disk • Microsoft™ XP(3) OS Barco server software for network communication between iQ Pro server and clients					
Max. power consumption	550 W	550 W	650 W	650 W	380 W	380 W
Power dissipation	< 1878 BTU/h	< 1878 BTU/h	< 2219 BTU/h	< 2219 BTU/h	< 1297 BTU/h	< 1297 BTU/h
Order information						
Barco iQ Pro projector	R9010180	R9010210	R9003080	R9010220	R9010200	R9010230
Replacement lamp	R9841761	R9841761	R9841761	R9841761	R9841771	R9841771
Dual lamp package	R9841760	R9841760	R9841760	R9841760	R9841770	R9841770
Ceiling Mount	R9841250					
Ceiling Mount Bar Short	R9841260					
Ceiling Mount Bar Long	R9841261					
Flight Case	R9841300					

(1) Full white / full black on full field
(2) In Single Lamp Mode
(3) Multi-language version

more info on: www.presentations.barco.com

iQ Pro series specifications

LCD Panels
3 active matrix 1.4" diagonal polysilicon LCD panels
An aspect ratio of 4:3 is maintained.
LCD panels are selected for a minimum of pixel defects.

Available Lenses

Lens Type	Order No.
Motorized Zoom Lenses	
QVD (1.3 – 1.8:1)	R9840950
QVD (1.9 – 2.6:1)	R9840960
QVD (3.0 – 6.0:1)	R9840970
Fixed Focal Length Lenses	
QVD (0.85:1) including rear screen optimization	Ropt1925
QVD (7.0:1)	R9841230

Recommended Screen Width
From 1-6 m/3-20 ft.

Scan Frequencies
Horizontal 15 kHz - 110 kHz
Vertical 25 Hz - 150 Hz

Special Features
- AutoImage
- Advanced picture-in-picture
- Seamless switching with effects
- Standard cable basket
- Standard light shutter
- Advanced digital zoom

Communication
1x D9 connectors for RS232 In/Out
1x spherical IR receiver
4x USB
1x RJ45
1x PCMCIA slot (Type II)

Inputs
1x Configurable 5-Wire (BNC) for: Composite Video, S-Video, Component Video, RGBHV, RGBS, RGsB.
1x Composite Video (BNC) (up to 7 Composite Video's when using all connectors on top input board)
1x S-Video (4-pin mini-DIN) (up to 3 S-Video's when combining BNC's)
1x VGA (D15 connector)
1x DVI (Digital Visual Interface)
Audio connections:
1x Stereo mic in,
1x Stereo line in
1x Stereo line out

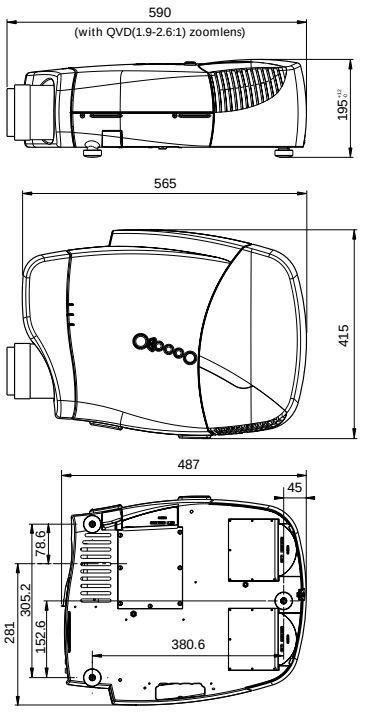
Compatibility
The iQ Pro Series is compatible with:
- All current video sources (PAL, SECAM, NTSC) in Composite, S-VHS, Component or RGB formats
- All currently proposed HDTV, extended and improved television standards (1080i, 720p)
- Most sources with a pixel clock up to 160 MHz
- All computer graphics formats from VGA, S-VGA, XGA, S-XGA and U-XGA (75 Hz)
- Most Macintosh computers
- Electronic workstations with a resolution up to 1600 x 1200 pixels/75 Hz
- DVI sources up to SXGA+

AC Power
Power factor pre-regulated SMPS, 90-254 VAC / 50-60Hz

Safety Regulations
Compliant with UL1950 and EN60950

Electromagnetic Interference
BARCO's iQ Pro Series comply with FCC rules & regulations, part 15 Class B, CE EN55022 Class B and CCC

Weight
Net weight, body only: 12.9 kg/28.5 lbs.
Shipping weight:
- without lens max.17.5 kg / 38.5 lbs.
- with lens max. 20 kg / 44 lbs.



dimensions in mm

Dimensions	mm	inch
Length(1)	590	23.23
Width	415	16.34
Height	195	7.68

(1) with QVD (1.9 - 2.6:1) zoomlens

Founded in 1934, BARCO is the acknowledged global leader in advanced large screen display products. BARCO has been a pioneer in the research and development of numerous display technologies. This experience now serves as the basis for the development of high-quality, state-of-the-art solutions for large projection systems used in the most diverse applications.

BARCO has a dynamic team of design engineers who continuously strive for improvements in functionality, performance, quality and reliability in order to create the most innovative projection systems. BARCO's iQ Pro Series, the revolutionary combination of power, compact size and networkability, is a reflection of this uncompromising spirit.

A specialized distribution network and subsidiaries in over 95 countries worldwide allows BARCO to respond quickly and efficiently to local customer requirements.

Through its dedication to excellence and commitment to total customer satisfaction, BARCO is your ideal partner to fulfill your most demanding requirements for intelligent large screen projection systems.

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email: BPSmarketing@barco.com

Ref. no. R599658(9) December '03

Barco Presentation is an ISO 9001 registered company.
The information and data given are typical for the equipment described. However any individual item is subject to change without any notice.
The latest version of this product sheet can be found on www.presentation.barco.com